

### REMARKS

Claims 1-22 are currently pending in the subject application and are presently under consideration. Claims 1, 8 and 14 have been amended as shown on pages 2-6 of the Reply.

Favorable reconsideration of the subject patent application is respectfully requested in view of the comments and amendments herein.

#### **I. Rejection of Claims 1, 8, and 14 Under 35 U.S.C §112**

Claims 1, 8, and 14 stand rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to point out and distinctly claim the subject matter. Withdrawal of this rejection is requested in view of the amendments made to claims 1, 8 and 14.

#### **II. Rejection of Claims 1, 3, and 7-9 Under 35 U.S.C. §103(a)**

Claims 1, 3, and 7-9 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Rogalski *et al.* (US 2004/0141484 A1) in view of Kallio (US 2002/0147008 A1). Withdrawal of this rejection is requested for at least the following reasons. Rogalski *et al.* and Kallio, alone or in combination fail to disclose or suggest all features recited by the subject claims.

The claimed subject matter provides for integrated voice and data services to a digital cordless device operating over unregulated connectivity sources, via wired wireless access points associated with wired data services. To this end, amended independent claim 1 recites *a system for providing voice and data services over a wired data network and over a regulated wireless network, the system comprising: a first wireless network including at least one wireless access point wired to the wired data network, wherein **the wired data network is operative to provide information of at least one subscriber subscribing to the voice and data services,** the at least one wireless access point being operative to provide wireless access to the wired data network over an unregulated wireless connection; and at least one digital cordless handset for communicating with the at least one wireless access point via the unregulated wireless connection in order to **access the voice and data services, and facilitating outgoing and incoming calls to the digital cordless handset through the wired data network utilizing information identifying the digital cordless handset associated with a subscriber and included in the subscriber information provided by the wired data network, based on a verification of a subscriber and service provider identification, wherein the digital cordless***

***handset comprises the subscriber identification and the associated service provider identification.*** Independent claim 8 recites *detecting a digital cordless handset in range of a wireless access point over an unregulated wireless connection, wherein the wireless access point is wired to the wired data network, and wherein the wired data network is operative to provide information of at least one subscriber subscribing to the voice and data services; and providing for incoming calls to and outgoing calls from the digital cordless handset and through the wired data network utilizing digital cordless handset identity information associated with a subscriber and included in the subscriber information provided by the wired data network, and based on a verification of a subscriber and service provider identification, wherein the cordless handset comprises the subscriber identification and the associated service provider identification.* Rogalski *et al.* and Kallio are silent regarding such novel features.

Rogalski *et al.* relates to a wireless voice data gateway with telephony and data service functions intended for residential applications. At the cited portions, Rogalski *et al.* discloses the voice data gateway (VDG) connected to both a public switched telephone network (PSTN) and a broadband network, the VDG allows any of the wired or wireless communication terminals to route an outgoing call to a PSTN via the VDG and a broadband line. Access to data services from the broadband service is also provided to the various terminals. At page 3 of the Final Office Action, the Examiner cites Rogalski *et al.* ‘VDG automatically determines if a PSTN connection is available and determines if broadband network supports data only or data with voice services’ and contends that as Rogalski *et al.* discloses the VDG identifies which user needs the type of specific service. Applicants’ representative avers to the contrary. At the cited portions, Rogalski *et al.* provides for a VDG that determines if a PSTN connection is available for routing an outgoing call, and if a broadband network that is available supports data only or data with voice services. Thus, Rogalski *et al.* merely provides for determining availability of the connection and the available feature provided by the connection. Nowhere does Rogalski *et al.* disclose ***wherein the wired data network is operative to provide information of at least one subscriber subscribing to the voice and data services.*** In contrast, the claimed invention discloses a first wired data network portion providing a home location register that maintains information about subscribers subscribing to the voice and data services provided by the network. Thus, Rogalski *et al.* does not disclose aforementioned features recited by independent claim 1.

Kallio relates to providing seamless mobility between a GSM network and a local radio network such as a wireless LAN. At the cited portions, Kallio discloses mobility in two modes between the GSM network and the wireless LAN, an idle mode where a mobile station roams from one network to the other and an active state handover mode where a call handover from one network to the other is activated in either mode. A wireless mobile center (WMC) serves as an access point of the wireless LAN network. Hence, Kallio is silent regarding *facilitating outgoing and incoming calls to the digital cordless handset through the wired data network*. Rather, outgoing and incoming calls to the mobile handset through the GSM network and the WLAN network that comprises a wireless mobile center as an access point are facilitated. In contrast, the claimed invention facilitates outgoing and incoming calls to the digital cordless handset through the wired data network. Further, Kallio discloses a switching system that connects calls from a mobile station to other mobile stations, stores customer information that is utilized check authorization of services and GSM location area codes utilized to determine mobile station location. However, Kallio is silent regarding facilitating outgoing and incoming calls to the digital cordless handset through the wired data network *utilizing information identifying the digital cordless handset associated with a subscriber and included in the subscriber information provided by the wired data network*. Thus, Kallio provides for a dual mode handset for accessing calls through the GSM network and a WLAN that has a wireless mobile center as an access point, and handing over calls from one network to another, while the claimed invention provides for a digital cordless handset to access *incoming calls to the digital cordless handset through the wired data network* utilizing information identifying the digital cordless handset associated with a subscriber and included in the subscriber information provided by the wired data network. Incoming calls are routed to the digital cordless handset associated with the subscriber based on the handset identification provided in the information provided by the wired data network. Thus, Kallio is silent regarding the aforementioned features recited by independent claim 1.

In view of the above, it is clear that Rogalski *et al.* and Kallio, alone or in combination fail to disclose all features recited in the subject claims. Accordingly, it is requested that this rejection with respect to independent claim 1 (and the claims that depend from) be withdrawn.

**III. Rejection of Claims 4-6 Under 35 U.S.C. §103(a)**

Claims 4-6 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Rogalski *et al.* in view of Kallio further in view of Baek (US 6,081,726). Withdrawal of this rejection is requested for at least the following reasons. The cited documents, alone or in combination, fail to teach or suggest all aspects of the subject claims. Claims 4-6 depend from independent claim 1. As discussed supra with respect to independent claim 1, Rogalski *et al.* and Kallio fail to disclose or suggest all features recited by independent claim 1. Baek provides for a digital cordless system having improved incoming call and handover services, but fails to compensate for the deficiencies of Rogalski *et al.* and Kallio with respect to independent claim 1. Accordingly, it is requested that this rejection be withdrawn.

**IV. Rejection of Claims 10-13 and 22 Under 35 U.S.C. §103(a)**

Claims 10-12 and 22 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Rogalski *et al.* in view of Kallio further in view of Moore, Jr. (US 2003/0039242 A1). Withdrawal of this rejection is requested for at least the following reasons. The cited documents, alone or in combination, fail to teach or suggest all aspects of the subject claims. Claims 10-13 and 22 depend from independent claim 8 that recites similar features as independent claim 1. As discussed supra with respect to independent claim 1, Rogalski *et al.* and Kallio fail to disclose or suggest all features recited by independent claim 1. Moore Jr. relates to a system for accessing mobile and voice over IP telephone networks with a mobile handset, and fails to compensate for the deficiencies of Rogalski *et al.* and Kallio with respect to independent claim 1. Accordingly, it is requested that this rejection be withdrawn.

**V. Rejection of Claims 14-21 Under 35 U.S.C. §103(a)**

Claims 14-21 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Jones *et al.* (US 6,404,764 B1) in view of Rogalski *et al.* further in view of Kallio. Withdrawal of this rejection is requested for at least the following reasons. Jones *et al.*, Rogalski *et al.* and Kallio, alone or in combination, fail to teach or suggest all features recited by the subject claims.

The claimed subject matter provides for integrated voice and data services to a digital cordless device operating over unregulated connectivity sources, via wired wireless access points associated with wired data services. To this end, amended independent claim 14 recites *a*

*broadband residential gateway comprising a first network device for communicating with the wired data network, a second network device for providing a communications link to at least one wired network device over a local wired network, and a wireless access point operative to provide wireless access to the wired data network over an unregulated wireless connection, wherein **the wired data network is operative to provide information of at least one subscriber subscribing to the voice and data services**; and at least one digital cordless handset for communicating with the wireless access point via the unregulated wireless connection in order to provide the voice and data services, based on a verification of a subscriber and service provider identification, wherein the digital cordless handset comprises the subscriber identification and the associated service provider identification.* Jones *et al.*, Rogalski *et al.* and Kallio are silent regarding such novel features recited by the subject claims.

Jones *et al.* relates to a voice over internet protocol (VoIP) telephone system that provides a customer home IP telephone system with VoIP functionality via a network premises gateway associated with a broadband internet connection. At the cited portions, Jones *et al.* discloses a network premises gateway that connects to a wired data network via an internet access device and also connects to the PSTN network and the in home POTS network. Further, the Examiner concedes that Jones *et al.* does not disclose the wired data network is operative to provide information of at least one subscriber to the voice and data services, ...to provide the voice and data services, based on a verification of a subscriber and service provider identification, wherein the digital cordless handset comprises the subscriber identification and the associated service provider identification and cites Rogalski *et al.* and Kallio to cure the aforementioned deficiencies of Jones *et al.* with respect to independent claim 14.

Rogalski *et al.* provides for a voice data gateway (VDG) connected to both a public switched telephone network (PSTN) and a broadband network, the VDG allows any wired or wireless communication terminals to access a PSTN via the VDG. Kallio relates to handover of calls from GSM networks and other radio networks. However, as discussed supra with respect to independent claim 1, Rogalski *et al.* and Kallio are silent regarding the feature of the wired data network is operative to provide information of at least one subscriber subscribing to the voice and data services recited by independent claim 14.

In view of the above, it is clear that Jones *et al.*, Rogalski *et al.* and Kallio, alone or in combination, fail to disclose or suggest all aspects set forth in the subject claims. Accordingly, it is requested that this rejection be withdrawn.

**CONCLUSION**

The present application is believed to be in condition for allowance in view of the above comments and amendments. A prompt action to such end is earnestly solicited.

In the event any fees are due in connection with this document, the Commissioner is authorized to charge those fees to Deposit Account No. 50-1063 [ATTWP290USB].

Should the Examiner believe a telephone interview would be helpful to expedite favorable prosecution, the Examiner is invited to contact applicants' undersigned representative at the telephone number below.

Respectfully submitted,

AMIN, TUROCY & CALVIN, LLP

/Himanshu S. Amin/

Himanshu S. Amin

Reg. No. 40,894

AMIN, TUROCY & CALVIN, LLP  
127 Public Square  
57<sup>TH</sup> Floor, Key Tower  
Cleveland, Ohio 44114  
Telephone (216) 696-8730  
Facsimile (216) 696-8731